

## Purchase Order Receipt Listing

Wednesday, September 20, 2017 1:19:12 PM

All Vendors PO ID PO37473 Receipt Dates from 9/20/2017 to 9/20/2017 All Line Item Types  
 All Item ID/GL/WOs All Rec. Employees All Currencies  
 Grouped by Vendor ID

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID	Reference/ Description/ Cert Std	PO U/M / Stock U/M	Required Date	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
PO37473	1	VU-MET002	A.M. Castle & Co. (Canada) Inc.-C/O 910720 M7075T6S0.375X8.0 f 00	DAS 5 9-89	9/14/2017	9/20/2017	12.0000 ✓	0.0000	0	\$0.00	
	USD	No	7075-T6S Sheet f 3.75" Thick Plate x 8" Wide m138563		12.0000	PLOU01		0.0000	0		
	2		M7075T6S1.500X1.5 f 00 1.56 X 1.48	DAS 5 9-89	9/14/2017	9/20/2017	24.0000 ✓	0.0000	0	\$0.00	
	No		7075-T6S Sheet 1.5" f Thick Plate x 1.5" Wide m138563		24.0000	PLOU01		0.0000	0		
	5		M7075T6S0.375X5.0 f 00		9/14/2017	9/20/2017	36.0000 ✓	0.0000	0	\$0.00	
	No		M7075T6S0.375 x f 5.000 m138563	DAS 5 9-89	36.0000	PLOU01		0.0000	0		
Total Received Quantity:											
Total Qty to Inspect (PO U/M):											
Total Reject Quantity:											
Total Receipt Value:											
Total Balance Due Quantity:											



PACKING SLIP/  
CERTIFICATE OF CONFORMANCE

A. M. Castle & Co.

Page 1 of 1

Shipment No:3386150

Ship From:	Sold To:	Ship To:	Deliver To:			
A. M. CASTLE & CO. 2150 ARGENTIA ROAD MISSISSAUGA, ON L5N 2K7 CAN	DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CAN	DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CAN	DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CAN			
<b>Shipment Details</b>						
<b>Date Shipped</b>	<b>F.O.B.</b>	<b>Freight Terms</b>	<b>Carrier</b>			
18-SEP-17	ORIGIN	Prepaid	MANITOULIN			
<b>Final Destination Branch - TOR</b>						
Order No	Line No	Item No	Description			
4863154	1	750067.MO	0.3750 PL.7075.T651.ALUMINUM.48.5000.144.5000 CUT 2 SIDED TO 8 IN ( + .1250/- .0000 IN) X 144.5 IN ( + .1250/- .0000 IN) - ALUMINUM PLATE SAW SPECIFICATIONS: AMS-QQ-A-250/12			
Purchase Order No	Part Number	Ordered Qty	Invoice Qty			
37473		1.00 PCS	1.00 PCS			
<b>Details</b>						
ALL PAPERWORK MUST FOLLOW ORDER / CUSTOMER MUST RECEIVE AT TIME OF DELIVERY						
ALL MATERIAL MUST HAVE IDENTIFYING MARKINGS EX:HEAT #S						
Email P/s and certs to: clavoie@dartaero.com						
END USER: DART AEROSPACE						
END USE: COMMERCIAL AIRCRAFT PARTS						
Delivery No.	Mill/Source	Heat Number	PCS	Width (IN)	Length (IN)	Shipped Qty(LBS)
121283662	KAISER ALUMINUM	DAS 5 2 2 9 4 2 6 8 2 9-89	1			45.4181

We hereby certify the material covered by this certification conforms in accordance with the above specifications and has been found to meet the applicable requirements for the material, including any specifications forming a part of the description. Test reports are on file subject to examination. All claims for defective material are waived unless made in writing to A.M. Castle & Co. within 60 days of the shipment. Material cut to the correct size, or material cut by the customer cannot be returned.

Reviewed By Authorized Castle Metals Representative:

SHIPPED SEP 18 2017

Date:

Name:

*cl. Roanoke*

2.00 C. TOR

Date Printed: 18-SEP-2017 02:54:17 PM



Castle Metals®

PACKING SLIP/  
CERTIFICATE OF

A. M. Castle & Co.

PACKING SLIP /  
CERTIFICATE OF CONFORMANCE

Page 1 of 1

Shipment No:33386150

Ship From:	Sold To:	Ship To:	Carrier	BOL No
Date Shipped	F.O.B.	Freight Terms		
A. M. CASTLE & CO. 2150 ARGENTIA ROAD MISSISSAUGA, ON L5N 2K7 CAN	DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA	DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CAN	DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA	3386150-2
18-SEP-17	ORIGIN	Prepaid	MANITOULIN	

### Shipment Details

Order No	Line No	Item No	Description
4863154	2	750412.MO	1.5000.PL.7075.T651.ALUMINUM.USI.48.5000.144.5000 CUT 2 SIDED TO 1.5 IN (+ .1250/- .0000 IN) X 144.5 IN (+ .1250/- .0000 IN) - ALUMINUM PLATE SAW SPECIFICATIONS: AMS-QQ-A-250/12
Purchase Order No	Part Number	Ordered Qty	Invoice Qty
37473		2.00 PCS	2.00 PCS
Details	ALL PAPERWORK MUST FOLLOW ORDER / CUSTOMER MUST RECEIVE AT TIME OF DELIVERY ALL MATERIAL MUST HAVE IDENTIFYING MARKINGS EX:HEAT #'S Email P/s and certs to: clavioe@dartaero.com END USER: DART AEROSPACE END USE: COMMERCIAL AIRCRAFT PARTS		
Delivery No.	Mill/Source	Heat Number	Mech Id
121283662	CONSTELLIUM ROLLED PRODUCTS	 9388495	PCS 2 DAS 5
		Length (IN)	Shipped Qty (LBS)
			67.0326

We hereby certify the material covered by this certification conforms in accordance with the above specifications and has been found to meet the applicable requirements for the material, including any specifications forming a part of the description. Test reports are on file subject to examination. All claims for defective material are waived unless made in writing to A.M. Castle & Co. within 60 days of the shipment. Material cut to the correct size, or material cut by the customer cannot be returned.

5  
009 TOR

Date Printed: 18-SEP-2017 02:54:17 PM



PACKING SLIP/  
CERTIFICATE OF CONFORMANCE

A. M. Castle & Co.

Page 1 of 1

Shipment No:3386150

<b>Ship From:</b>		<b>Sold To:</b>		<b>Ship To:</b>		<b>Deliver To:</b>	
A. M. CASTLE & CO. 2150 ARGENTIA ROAD MISSISSAUGA, ON L5N 2K7 CAN		DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CAN		DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CAN		DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CAN	
<b>Date Shipped</b>		<b>F.O.B.</b>		<b>Freight Terms</b>		<b>Carrier</b>	
18-SEP-17		ORIGIN		Prepaid		MANITOULIN	
<b>Shipment Details</b>				<b>Final Destination Branch - TOR</b>			
<b>Order No</b>	<b>Line No</b>	<b>Item No</b>	<b>Description</b>				
4863154	4	750067.MO	0.3750.PL.7075.T651.ALUMINUM.48.5000.144.5000 CUT 2SIDED TO 5 IN ( + .1250/- .0000 IN) X 144.5 IN ( + .1250/- .0000 IN) - ALUMINUM PLATE SAW SPECIFICATIONS: AMS-QQ-A-250/12				
<b>Purchase Order No</b>	<b>Part Number</b>		<b>Ordered Qty</b>	<b>Invoice Qty</b>			
37473			3.00 PCS	3.00 PCS			
<b>Details</b>	ALL PAPERWORK MUST FOLLOW ORDER / CUSTOMER MUST RECEIVE AT TIME OF DELIVERY ALL MATERIAL MUST HAVE IDENTIFYING MARKINGS EXHEAT #S Email P/s and certs to: clavoie@dartaero.com END USER: DART AEROSPACE END USE: COMMERCIAL AIRCRAFT PARTS						
<b>Delivery No.</b>	<b>Mill/Source</b>	<b>Heat Number</b>	<b>Mech Id</b>	<b>PCS</b>	<b>Width (IN)</b>	<b>Length (IN)</b>	<b>Shipped Qty(LBS)</b>
121283662	KAISER ALUMINUM		5	3			85.1589

*SO 07-9-20*

We hereby certify the material covered by this certification conforms in accordance with the above specifications and has been found to meet the applicable requirements for the material, including any specifications forming a part of the description. Test reports are on file subject to examination. All claims for defective material are waived unless made in writing to A. M. Castle & Co. within 60 days of the shipment. Material cut to the correct size, or material cut by the customer cannot be returned for credit.

Reviewed by Authorized Castle Metals Representative: SHIPPED SEP 18 2017 Date: 18-SEP-2017 Name: clavoie

Castle Metals  
1-009 TOR

# KAISER ALUMINUM FABRICATED PRODUCTS

## CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

Kaiser Aluminum  
Trentwood Works  
Spokane, WA 99215-5108  
(800) 367-2586

CUSTOMER PO NUMBER		WORK PACKAGE	CUSTOMER PART NUMBER		PRODUCT DESCRIPTION	
424584-1			750067		Sawed Plate	
KAISER ORDER NUMBER	LINE ITEM:	SHIP DATE	ALLOY	CLAD	TEMPER	
1237298	1	07/03/2017	7075	BARE	T651	
WEIGHT SHIPPED	QUANTITY:	B/L NUMBER	GAUGE	WIDTH	LENGTH	
3231 LB	12 PCS EST.	2067659	0.3750 IN	48.500 IN	144.500 IN	
SHIP TO		SOLD TO				
A M CASTLE & CO 3050 SOUTH HYDRAULIC WICHITA, KS 67216 US		AM CASTLE & CO- SOLD TO 1420 KENSINGTON RD SUITE 220 OAK BROOK, IL 60523 US				

MHU 2125366: LOT 229426B2: 12 pieces

DAS

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### Certified Specifications

AMS 4045/RevL 9488-00-A-250/12/RevA ASTM B 209/Rev14 CMMP 025/RevV

Test Code: 1512

### Test Results:

LOT: 229426B2 CAST: 472 DROP: 21 INGOT: 1

Melted in USA  
(ASTM E8/B567)  
(EN 2002-1)

Tensile: Temper	Dir/#Tests	Ultimate KSI (MPA)	Yield KSI (MPA)	Elongation %
T651	LT : 02 (Min:Max)	84.8 : 85.5	74.7 : 76.0	11.7 : 12.7
		(585 : 590)	(515 : 524)	

(ASTM E1251)

Chemistry:	SI	FE	CU	MN	MG	CR	ZN	TI	V	ZR	OTHER
Actual	0.08	0.18	1.5	0.03	2.5	0.20	5.8	0.03	0.01	0.02	TOT 0.05

Chemistry:	SI	FE	CU	MN	MG	CR	ZN	TI	V	ZR	OTHER
7075	MIN 0.00	0.00	1.2	0.00	2.1	0.18	5.1	0.00	0.00	0.00	MAX 0.05
	MAX 0.40	0.50	2.0	0.30	2.9	0.28	6.1	0.20	0.05	0.05	TOT 0.15

Aluminum Remainder

### Miscellaneous Notes

AMC CA-15409 R 3

Plant Serial: 4468676

Kaiser Order Number: 1237298

Line Item: 1

Page 1 of 2



# KAISER ALUMINUM FABRICATED PRODUCTS

Kaiser Aluminum  
Trentwood Works  
Spokane, WA 99215-5108  
(800) 367-2586

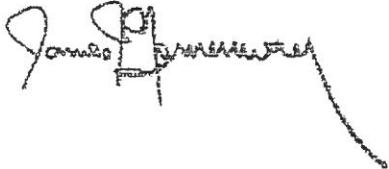
## CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

### CERTIFICATION

Kaiser Aluminum, Trentwood Works, is ISO 9001, AS9100, and ISO 14001 certified, and hereby certifies that all material shipped under this order: \* has been inspected, tested, and found to be in conformance with the requirements of the specifications indicated herein. All test equipment and measuring devices are calibrated and certified in accordance applicable specifications. For material thicknesses outside specification limits, mechanical properties are as shown herein and chemical composition meets specification requirements. Reported elongation values have been measured as elongation at fracture. \* was melted in the United States of America or a qualifying country per DFARS 225.872-1(a), was manufactured in the United States of America, and meets the requirements of DFARS 252.225 for domestic content. \* has been thermally processed in compliance with AMS 2772, where applicable. \* is mercury free, within the limits of detection of ASTM E1215 (<1ppm). \* is in compliance with RoHS 2, European Union Directive 2011/65/EU. \* is in compliance with European Chemical Agency, ECHA, REACH regulations, (EC) No 1907/2006, and Kaiser regularly monitors these regulations for updates. \* is free of Conflict Minerals, as defined in Section 15.2 of the Dodd-Frank Act. \* is free of weld repair. \* meets the reporting requirements of EN10204, Type 3.1. Any warranty is limited to that shown on Kaiser Aluminum's standard general terms and conditions of sale. Test reports are on file, subject to examination. Test reports shall not be reproduced except in full, without the written approval of the Kaiser Aluminum laboratory. The recording of false, fictitious or fraudulent statements or entries on the certificate may be punished as a felony under federal law.

JAMES HEMENWAY, LABORATORIES SUPERVISOR



Page 2 of 2

Plant Serial: 4468676  
Kaiser Order Number: 1237298

Line Item: 1





**CERTIFIED TEST REPORT**  
Constellium Rolled Products  
Ravenswood, LLC

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A M CASTLE CO  
3050 SO HYDRAULIC  
WICHITA KS  
67216  
US

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A M CASTLE

1420 KENSINGTON ROAD, SUITE 220  
OAK BROOK IL  
60523  
US

A M CASTLE		110539777	4075	INCLUSION	Serial:20170527-0110539777	Pg 1 of 2
CUSTOMER PURCHASE ORDER NO. & ITEM 420827				Constellium ORDER NO. 204516		
ALLOY 7075	CLAD	TEMPER T651	GAUGE 1.50000 in 38.10 mm	WIDTH 48.50000 in 1,232 mm	LENGTH 144.50000 in 3,670 mm	
ITEM ORDERED SPEC PLATE, SAWED MILL FINISH						CERTIFICATION "Constellium Rolled Products, hereby certifies that metal shipped under this order has been inspected and found in conformance with the requirements of the applicable specifications as indicated herein. Any warranty is limited to that shown on Constellium Rolled Products' standard General Terms and Conditions of Sales. Test reports are on file, subject to examination." Constellium Rolled Products Ravenswood, LLC 859 Century Road P.O. BOX 68 RAVENSWOOD, WV 26164 USA
CUSTOMER SPECIFICATION AMS QQ-A-250/12A						
PART NUMBER 750412		B/L NUMBER 81405		DATE SHIPPED 05/29/2017		
WT. SHIPPED 4200.000 LB	NO. OF PIECES 000004	GOVT. CONTRACT NO.				
Steve Good						
Steve Good - Laboratory Manager						

ALL LOTS ON THIS CERTIFICATION ALSO CONFORM TO THE FOLLOWING REQUIREMENTS:

ASTM B594 REV 13 2013 100% SONIC W/ 0.125" DEADZONE Class A  
AMS 4045K  
AMS-STD-2154A 2012 TYPE1 CLASS A 100% SONIC MINUS DEADZONE  
ASTM B209-14  
BSS-7055B 2013 CLASS A 100% SONIC TESTED MINUS DEADZONE  
CSTI006 REV E 2011 CLASS A 100% SONIC MINUS DEADZONE  
DPS 4.713 REV AK 2012 CLASS A 100% SONIC MINUS DEADZONE  
GAMPS 9101 REV B 2006 CLASS A 100% SONIC MINUS DEADZONE  
PS 21211P 2010 CLASS A 100% SONIC MINUS DEADZONE

Load Details

Package	Net Lbs	Kg	Lot	Piece	Serial	Parent Lot
1001522467	1,050.000	476.272	9388495	01		
1001522467	1,050.000	476.272	9388495	02		
1001522467	1,050.000	476.272	9388495	03		
1001522467	1,050.000	476.272	9388495	04		

Lot: 9388495

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Tensile - Room Temperature (US)

Direction	Tests	Ultimate (KSI)		Yield (KSI)		Elongation (%)		Report
		Min	Max	Min	Max	Min	Max	
LT	02	80.7	81.3	69.8	71.4	12.0	12.0	





**CERTIFIED TEST REPORT**  
Constellium Rolled Products  
Ravenswood, LLC

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A M CASTLE CO  
3050 SO HYDRAULIC  
WICHITA KS  
67216  
US

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D  
T  
O

A M CASTLE  
1420 KENSINGTON ROAD, SUITE 220  
OAK BROOK IL  
60523  
US

A M CASTLE 110539777 4075			INCLUSION		Serial:20170527-0110539777 Pg 2 of 2																																														
CUSTOMER PURCHASE ORDER NO. & ITEM 420827				Constellium ORDER NO. 204516		<p><b>CERTIFICATION</b> Constellium Rolled Products, hereby certifies that metal shipped under this order has been inspected and found in conformance with the requirements of the applicable specifications as indicated herein. Any warranty is limited to that shown on Constellium Rolled Products' standard General Terms and Conditions of Sales. Test reports are on file, subject to examination." Constellium Rolled Products, LLC 859 Century Road P.O. BOX 68 RAVENSWOOD, WV 26164 USA</p> <p><i>Steve Good</i></p> <p>Steve Good - Laboratory Manager</p>																																													
ALLOY 7075	CLAD	TEMPER T651	GAUGE 1.50000 in 38.10 mm	WIDTH 48.50000 in 1,232 mm	LENGTH 144.50000 in 3,670 mm																																														
ITEM ORDERED SPEC PLATE, SAWED MILL FINISH																																																			
CUSTOMER SPECIFICATION AMS QQ-A-250/12A																																																			
PART NUMBER 750412		B/L NUMBER 81405		DATE SHIPPED 05/29/2017																																															
WT. SHIPPED 4200.000 LB		NO. OF PIECES 000004		GOVT. CONTRACT NO.																																															
<p><b>Tensile - Room Temperature (SI)</b></p> <table border="1"> <thead> <tr> <th rowspan="2">Direction</th> <th rowspan="2">Tests</th> <th colspan="2">Ultimate (N/MM<sup>2</sup>)</th> <th colspan="2">Yield (N/MM<sup>2</sup>)</th> <th colspan="2">Elongation (%)</th> <th rowspan="2">Report</th> </tr> <tr> <th>Min</th> <th>Max</th> <th>Min</th> <th>Max</th> <th>Min</th> <th>Max</th> </tr> </thead> <tbody> <tr> <td>LT</td> <td>02</td> <td>556</td> <td>561</td> <td>481</td> <td>492</td> <td>12.0</td> <td>12.0</td> <td></td> </tr> </tbody> </table> <p><b>Chemistry (Actual)</b></p> <table border="1"> <thead> <tr> <th></th> <th>SI</th> <th>FE</th> <th>CU</th> <th>MN</th> <th>MG</th> <th>CR</th> <th>ZN</th> <th>TI</th> <th>ZR</th> </tr> </thead> <tbody> <tr> <td>Core</td> <td>0.08</td> <td>0.18</td> <td>1.41</td> <td>0.04</td> <td>2.63</td> <td>0.21</td> <td>5.50</td> <td>0.03</td> <td>0.00</td> </tr> </tbody> </table> <p>OTHERS-EACH: .05 MAX. OTHERS TOTAL: .15 MAX. AL REMAINDER</p> <p>All material contained in this lot was cast and manufactured in the USA</p> <p>QUALITY TEXTS: AMC CA-15403A R 7</p> <p>THIS TEST REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT THE WRITTEN APPROVAL OF THE LABORATORY OR AUTHORIZED QUALITY DELEGATE. THE RECORDING OF FALSE, FICTITIOUS, OR FRAUDULENT STATEMENTS OR ENTRIES ON THE CERTIFICATE MAY BE PUNISHED AS A FELONY UNDER FEDERAL LAW.</p> <p>CHEMISTRY BY OES: ARKSPARK</p> <p>CHEMISTRIES REPORTED IN PERCENTAGE BY WEIGHT</p> <p>WHEN FRACTURE TOUGHNESS TEST REQUIRED, TESTED PER ASTM E399</p> <p>WHEN TENSILE TEST REQUIRED, TESTED PER ASTM E8; B557</p> <p>DUNS Number: 090570149; CAGE Code: 1YWLS</p> <p>Mercury is not a normal contaminant in aluminum alloys and neither mercury nor any of its compounds were utilized in the manufacture of our product.</p> <p>"END OF CERTIFICATION"</p>								Direction	Tests	Ultimate (N/MM <sup>2</sup> )		Yield (N/MM <sup>2</sup> )		Elongation (%)		Report	Min	Max	Min	Max	Min	Max	LT	02	556	561	481	492	12.0	12.0			SI	FE	CU	MN	MG	CR	ZN	TI	ZR	Core	0.08	0.18	1.41	0.04	2.63	0.21	5.50	0.03	0.00
Direction	Tests	Ultimate (N/MM <sup>2</sup> )		Yield (N/MM <sup>2</sup> )		Elongation (%)				Report																																									
		Min	Max	Min	Max	Min	Max																																												
LT	02	556	561	481	492	12.0	12.0																																												
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Core	0.08	0.18	1.41	0.04	2.63	0.21	5.50	0.03	0.00																																										



# KAISER ALUMINUM FABRICATED PRODUCTS

## CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

Kaiser Aluminum  
Trentwood Works  
Spokane, WA 99215-5108  
(800) 367-2586

CUSTOMER PO NUMBER		WORK PACKAGE	CUSTOMER PART NUMBER		PRODUCT DESCRIPTION	
424584-1			750067		Sawed Plate	
KAISER ORDER NUMBER	LINE ITEM:	SHIP DATE	ALLOY	CLAD	TEMPER	
1237298	1	07/03/2017	7075	BARE	T651	
WEIGHT SHIPPED	QUANTITY:	BL NUMBER	SAUCE	WOTH	LENGTH	
3231 LB	12 PCS EST.	2067659	0.3750 IN	48.500 IN	144.500 IN	
SHIP TO:			SOLD TO			
AM CASTLE & CO 3050 SOUTH HYDRAULIC WICHITA, KS 67216 US			AM CASTLE & CO- SOLD TO 1420 KENSINGTON RD SUITE 220 OAK BROOK, IL 60523 US			

MHU 2125369: LOT 229426B2: 12 pieces

### Certified Specifications

AMS 4045/RevL AMS-QQ-A-250/12/RevX ASTM B 209/Rev14 CMMP 025/RevV

DAS

5 Test Code: 1512

9-89 LOT: 229426B2 CAST: 472 DROP: 21 INGOT: 1

Melted in USA  
(ASTM E8/B557)  
(EN 2002-1)

Tensile: Temper Dir/W Tests Ultimate KSI (MPA) Yield KSI (MPA) Elongation %  
T651 UT / 02 (Min:Max) 84.8 : 85.5 74.7 : 76.0 11.7 : 12.7  
(565 : 590) (515 : 524)

(ASTM E1251)

Chemistry:	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	V	Er	Other
Actual	0.08	0.16	1.5	0.03	2.5	0.20	5.8	0.03	0.01	0.02	TOT 0.05

Chemistry:	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	V	Er	Other
7075	MIN 0.00	0.00	1.2	0.00	2.1	0.18	5.1	0.00	0.00	0.00	MAX 0.05
	MAX 0.40	0.50	2.0	0.30	2.9	0.28	6.1	0.20	0.05	0.05	TOT 0.15

Aluminum Remainder

### Miscellaneous Notes

AMC CA-15409 R 3

Plant Serial: 4468676

Kaiser Order Number: 1237298

Line Item: 1

Page 1 of 2



# KAISER ALUMINUM FABRICATED PRODUCTS

Kaiser Aluminum  
Trentwood Works  
Spokane, WA 99216-5108  
(800) 367-2586

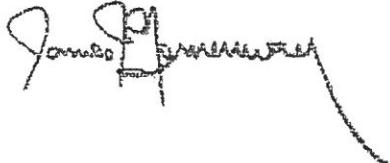
## CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

### CERTIFICATION

Kaiser Aluminum, Trentwood Works, is ISO 9001, AS9100, and ISO 14001 certified, and hereby certifies that all material shipped under this order: \* has been inspected, tested, and found to be in conformance with the requirements of the specifications indicated herein. All test equipment and measuring devices are calibrated and certified in accordance applicable specifications. For material thicknesses outside specification limits, mechanical properties are as shown herein and chemical composition meets specification requirements. Reported elongation values have been measured as elongation at fracture. \* was melted in the United States of America or a qualifying country per DFARS 225.872-1(a), was manufactured in the United States of America, and meets the requirements of DFARS 252.235 for domestic content. \* has been thermally processed in compliance with AMS 2772, where applicable. \* is mercury free, within the limits of detection of ASTM E1215 (<1ppm). \* is in compliance with RoHS 2, European Union Directive 2011/65/EU. \* is in compliance with European Chemical Agency, ECHA, REACH regulations. (EC) No 1907/2006, and Kaiser regularly monitors these regulations for updates. \* is free of Conflict Minerals, as defined in Section 15.2 of the Dodd-Frank Act. \* is free of weld repair. \* meets the reporting requirements of EN10204, Type 3.1. Any warranty is limited to that shown on Kaiser Aluminum's standard general terms and conditions of sale. Test reports are on file, subject to examination. Test reports shall not be reproduced except in full, without the written approval of the Kaiser Aluminum laboratory. The recording of false, fictitious or fraudulent statements or entries on the certificate may be punished as a felony under federal law.

JAMES HEMENWAY, LABORATORIES SUPERVISOR



# MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M7075+650,375X8,000  
 DATE: SEP 21 2017

PO / BATCH NO.: PO37473/M138563

MATERIAL CERT REC'D: yes  
 QUANTITY RECEIVED: 12'  
 QUANTITY INSPECTED: 12'  
 QUANTITY REJECTED: 0

THICKNESS ORDERED: .375  
 THICKNESS RECEIVED: .375  
 SHEET SIZE ORDERED: NA  
 SHEET SIZE RECEIVED: NA

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="checkbox"/>	
CORRECT FINISH	Y <input checked="" type="checkbox"/>	N
CORROSION	Y <input checked="" type="checkbox"/>	
CORRECT GRAIN DIRECTION	Y <input checked="" type="checkbox"/>	N
CORRECT MATERIAL PER M-DRAWING	Y <input checked="" type="checkbox"/>	N <i>AMS QQ A250</i>
CORRECT THICKNESS	Y <input checked="" type="checkbox"/>	N
PHOTO REQUIRED	Y <input checked="" type="checkbox"/>	
CORRECT REF # TO LINK CERT	Y <input checked="" type="checkbox"/>	N <i>HT #229426B2</i>
CORRECT MATERIAL IDENTIFICATION	Y <input checked="" type="checkbox"/>	N
CORRECT M# ON THE MATERIAL	Y <input checked="" type="checkbox"/>	N <i>M138563</i>
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="checkbox"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="checkbox"/>	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	WEBSTER

*testers located in the Quality Office*

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)	
INSPECTED BY: <u>5</u> <u>9-89</u>	SIGNED OFF BY: _____	
DATE: <u>SEP 21 2017</u>	DATE: _____	

**Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in**

# SPECIFICATION CONTROL DRAWING

△ PURCHASE MATERIAL: 7075-T6/T62/T651 ALUMINUM SHEET OR PLATE  
SPECIFICATION: QQ-A-250/12 OR AMS-QQ-A-250/12  
OR AMS 4045  
OR ASTM B209

OR  
5  
△ PURCHASE MATERIAL: 7075-T6/T62/T651 ALCLAD ALUMINUM SHEET OR PLATE

△ SPECIFICATION: QQ-A-250/13 OR AMS-QQ-A-250/13  
OR AMS 4048 / 4049  
OR ASTM B209

△ PART NUMBER: M7075T6S | TTT | X | W.WWW |  
WHERE "TTT" = THICKNESS (IN INCHES)  
AND "W.WWW" = WIDTH (IN INCHES, OPTIONAL, FOR SPECIFYING CUT PLATE)

EG. 0.063" THICK SHEET = M7075T6S.063  
EG. 3.5" WIDE BY 0.50" THICK PLATE = M7075T6S.500X3.500  
△ PREFERRED SIZE:  
.TTT BY 4FT BY 10FT FOR SHEET

RELEASED  
2017 JUN 19  
ECN 17-574

APPROVED

B		ADD REF TO PLATE" T651" TEMPER, AMS 4048, OPTIONAL WIDTH DIM (CAR 6-149)		CP	17.05.05
A		NEW ISSUE		RF	10.11.08
REV.	DESCRIPTION	RF	BY	DATE	
DESIGN	RF	DART AEROSPACE LTD			
DRAWN	CP	HAWKESBURY, ONTARIO, CANADA			
CHECKED	ML	DRAWING NO.			
MFG. APPR.	LL	M7075T6S			
APPROVED	WM	TITLE			
DE APPR.	DS-1	7075-T6 SHEET/PLATE SPEC			
DATE	17.05.05	SCALE			
		NTS			
		SCALED			
		SHEET 1 OF 1			

# MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M7075765 1,500X1,500  
 DATE: SEP 21 2017

PO / BATCH NO.: 1037473/1138563

MATERIAL CERT REC'D: yes  
 QUANTITY RECEIVED: 241  
 QUANTITY INSPECTED: 241  
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 1.5" X 1.5"  
 THICKNESS RECEIVED: 1.5" X 1.4"  
 SHEET SIZE ORDERED: N/A  
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT FINISH	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORROSION	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT GRAIN DIRECTION	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT MATERIAL PER M-DRAWING	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	<u>AMS QQ A 260</u>
CORRECT THICKNESS	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
PHOTO REQUIRED	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT REF # TO LINK CERT	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	<u>HT# 9388495</u>
CORRECT MATERIAL IDENTIFICATION	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT M# ON THE MATERIAL	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	<u>M 138563</u>
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	WEBSTER

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY:	<u>DAS</u> <u>5</u>	SIGNED OFF BY:	
DATE:	<u>SEP 21 2017</u> <u>9-89</u>	DATE:	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in



# MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M70757650,375X5,000

DATE: SEP 21 2017

PO / BATCH NO.: PO37473/M138563

MATERIAL CERT REC'D: yes  
 QUANTITY RECEIVED: 36"  
 QUANTITY INSPECTED: 36"  
 QUANTITY REJECTED: 0

THICKNESS ORDERED: .375  
 THICKNESS RECEIVED: .375  
 SHEET SIZE ORDERED: \_\_\_\_\_  
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORRECT FINISH	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORROSION	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<u>AMS QQ A250</u>
CORRECT THICKNESS	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
PHOTO REQUIRED	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<u>H7 #529426B2</u>
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<u>M138563</u>
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	WEBSTER

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)	
INSPECTED BY: <u>DAS</u> <u>5</u>	SIGNED OFF BY: _____	
DATE: <u>SEP 21 2019-89</u>	DATE: _____	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in





Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

# PURCHASE ORDER

Purchase Order ID **PO37473**

Purchase Order Date 8/18/2017

PO Print Date 8/18/2017

Page Number 1 of 3

**Order From :**

METAUX CASTLE  
P.O. BOX 4090 STN A  
TORONTO, ONTARIO M5W 0E9  
CANADA

VU-MET002

**Ship To :** DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

EMAILED  
20170821

**Contact Name**

Diane Baker

**Vendor Phone**

10127-2607

**Ship To Contact**

Net 30

**Ship To Phone**

USD

**Ship Via:** Yours ppd

Destination-Collect

**Ship Acct:**

Line Nbr	Reference Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
1	M7075T6S0.375X8.000	7075-T6S Sheet .375" Thick Plate x 8" Wide	9/8/2017	Yes	12.00 ✓	\$30.75	\$369.00

MAT'L 7075-T6/T62 ALUMINUM SHEET  
SPECS QQ-A-250/12 OR AMS-QQ-A-250/12 OR AMS 4045 OR PER ASTM B209

MAT'L 7075-T6/T62 ALCLAD ALUMINUM SHEET  
SPECS QQ-A-250/13 OR AMS-QQ-A-250/13 OR AMS 4049 OR PER ASTM B209

2	M7075T6S1.500X1.500	7075-T6S Sheet 1.5" Thick Plate x 1.5" Wide	9/8/2017	FN	24.00 ✓	Line Total: \$21.06	\$505.44
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MAT'L 7075-T6/T62 ALUMINUM SHEET  
SPECS QQ-A-250/12 OR AMS-QQ-A-250/12 OR AMS 4045 OR PER ASTM B209

MAT'L 7075-T6/T62 ALCLAD ALUMINUM SHEET  
SPECS QQ-A-250/13 OR AMS-QQ-A-250/13 OR AMS 4049 OR PER ASTM B209

SDA 9-20

**Note:**



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID PO37473

Purchase Order Date 8/18/2017  
PO Print Date 8/18/2017

Page Number 2 of 3

**Order From :**

VU-MET002

Ship To : DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

METAUX CASTLE  
P.O. BOX 4090 STN A  
TORONTO, ONTARIO M5W 0E9  
CANADA

**Contact Name**

**Vendor Phone**

**Ship To Contact**

**Ship To Phone**

Ship Via:

Ship Acct:

Buyer Diane Baker

**Customer POID**

Customer Tax #

Terms Net 30

Currency USD

FOB Dest

8P9-13

**Line Total:** **\$1,030.32**

Sept 9, 7

**Line Total:** \$1,044.00

Note:



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID **PO37473**

Purchase Order Date 8/18/2017  
PO Print Date 8/18/2017

Page Number 3 of 3

**Order From :**

METAUX CASTLE  
P.O. BOX 4090 STN A  
TORONTO, ONTARIO M5W 0E9  
CANADA

VU-MET002

**Ship To :** DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

**Contact Name**

Diane Baker

**Vendor Phone**

10127-2607

**Ship To Contact**

Net 30

**Ship To Phone**

USD

**Ship Via:** Yours ppd

Destination-Collect

**Ship Acct:**

5	M7075T6S0.375X5.000	M7075T6S0.375 x 5.000	9/8/2017	36.00	\$18.10	\$651.60
			Yes	f		
			9/8/2017			

MAT'L 7075-T6/T62 ALUMINUM SHEET  
SPEC'S QQ-A-250/12 OR AMS-QQ-A-250/12 OR AMS 4045 OR PER ASTM B209

MAT'L 7075-T6/T62 ALCLAD ALUMINUM SHEET  
SPEC'S QQ-A-250/13 OR AMS-QQ-A-250/13 OR AMS 4049 OR PER ASTM B209

SP A9-20

Line Total: \$651.60

6	71401-45	PROCUREMENT QUALITY CLAUSES	9/8/2017	1.00	\$0.00	\$0.00
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No  
9/8/2017

Procurement Quality Clauses  
A005 right of entry  
A012 chemical and physical test report  
A016 personnel qualification  
A017 raw material identification (as applicable)  
A026 certification of material conformance  
A041 quality management system  
A042 dart notification by supplier  
A043 retention of quality documents

SP A9-7

Line Total: \$0.00

PO Total: \$3,600.36

CB CW

Note: Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit [www.dartaerospace.com](http://www.dartaerospace.com) for further explanation.

## Chantal Lavoie

**From:** Desbiens, Marc <mdesbien@amcastle.com>  
**Sent:** Thursday, August 17, 2017 4:14 PM  
**To:** Chantal Lavoie  
**Subject:** RE: quote

Hi Chantal,

price and delivery on mat'l.

All plate:

~~7075t6 bar or plate 1.250" x 2" x 36 ft \$ 20.12 FT~~ *34887*  
~~7075t6 bar or plate 0.375" x 8" x 12 ft \$ 30.75 FT~~ *34549*  
~~7075t6 bar or plate 0.750" x 1.250" x 12 ft \$ 16.45 FT~~ *34711*  
~~7075t6 bar or plate 1.250" x 7" x 22 pes cut at 50" = to 92 ft \$ 44.65 FT = 4092.9~~  
7075t6 bar or plate 1.5" x 1.5" x 24 ft \$ 21.06 FT *U.S.*  
7075t6 bar or plate 1.750" x 2.250" x 36 ft \$ 28.62FT *1092.9*  
7075t6 bar or plate 5" x 1" x 48 ft \$ 21.75 FT *1x5*  
7075t6 bar or plate 0.375" x 5" x 36 ft \$ 18.10FT *1x5*

All: 2-3 weeks

Thanks

Marc Desbiens  
Inside sales representative  
Castle Metals, Montreal, QC  
Direct line 514-795-8176  
1-800-806-6660 ext 52226  
Fax # 1-855-892-6370

*Customized Supply Chain Solutions for Your Metal Needs*

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